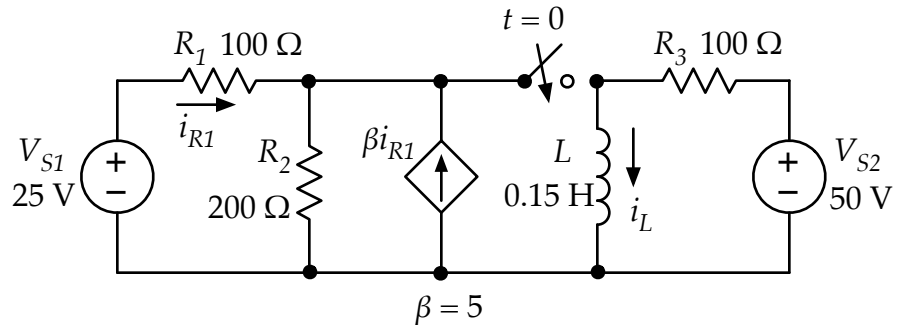The switch in the circuit at right closes at $t = 0$. Find the expressions for $i_L(t)$ and $v_L(t)$. Calculate the inductor current and voltage at $t = 15$ ms.

$i_L(t) =$ _____

$v_L(t) =$ _____

$i_L(\, 15 \text{ ms} \,) =$ _____ ; $v_L(\, 15 \text{ ms} \,) =$ _____

Write your answers — and whatever work will fit — on this sheet. Staple any sheets with additional work behind.